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	CLASSIFICATION SECRET SHOUR ITY LOUGHAFTON CENTRAL INTELLIGENCE AGENCY	REPORT		
	INFORMATION REPORT	CD NO.		
COUNTRY	East Germany	DATE DISTR. 8 September 1953		
SUBJECT	Soviet Purchase of Refrigerating Equipment and Testing Chambers from Kaelte-Technik, Zwickau	NO. OF PAGES 5		
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25X1	The firm of Kaelte-Technik (formerly Kaelte-Koenle Zwickau, Saxony, Kornmarkt 3. It produces combing equipment of all kinds. The firm was in private b	and freezing		
	The firm delivered the following items to the USE	during the period		
25X1	from 1946 to 1953: a. Armonium hydroxide cells (Ammoniakzellen),	capacity h.5 cubic		
25X1	restors, capable of addieving a temperature candigrade. The initial Soviet order in 19 handeed of these units, which were intended in refrigerator cars. The last such cells	the was for one installation		
25X1	the USSR in late 1969. The USSR obtained a these units from the first. Poland obtained thirty of them.	total of 166 of		
25X1	 b. Unspecified numbers of home refrigerators; c. Unspecified numbers of 90 liter compressors d. Testing chambers (Materialoruefschraenke). 	These were delivered		
25X1	in two types, the one based on the construct Kaelte-Richter firm of Berlin, and the other of the Nema firm in Netzschkau, Saxony. The Richter system, however, were supplied with	er based on the system		
	pressure chambers. The Richter-type chambers units, with the power unit at the bottom at top; they have the disadvantage of requirements absorbers. The Nema-type chambers we	ers are self-enclosed and the chamber at the ing esnecially good ere delivered in		
	three separate parts. Three sizes of chamber the Soviets, namely: M-61 (125 liters); M-61 (101 (500 liters). The Soviet specificate the chambers produce temperatures of plus 100 liters plus 100 liters produce temperatures of plus 100 liters plus	31 (250 liters); and Lons required that LOO degrees centigrade		
	and minus 70 degrees centigrade in four and from room temperature. It was possible to temperature only then Freon-22 could be put the use of Freon-12 was	fulfill these recured so not sufficient for		
 	this purpose. The Soviets delivered some I for man in there aborders, but it was found			
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The price of each such unit varied between 50,000 and 60,000 DM. Deliveries were as follows:

1950: two units of Richter-type four units of Nema-type

The current order (to be delivered in May 1953) calls for: three units of Richter-type; one unit of Mena type

The firm of NAGEMA (VEB), Berlin-Johannisthal, is also producing such chambers for the USSR.

- one hundred heating furnaces (Waermooefen) were ordered in May 1952 by Soviet officials and later delivered. These furnaces were reportedly for use in a chemical laboratory in the USSE. They were composed of three chambers; they had overall dimensions of 2.20 by 1.20 by 1.20 meters. It was required that they achieve a temperature of 250 degrees centigrade. This purchase was necotiated by two representatives of Tekhnopromimport, Berlin, Vasilev (fnu) and forin (fnu). Actual acceptance of the furnaces at the plant was accomplished by Pomogalov (fnu).
- f. Testing chambers (Materialpruefschraenke) for testing textiles, rubber, and steel. Specifications called for 2 range of temperature from plus 100 degrees centigrade to minus 70 degrees centigrade. The chambers for testing textiles and rubber were known by the designation "Z'GIT", while those for testing metals were referred to as 30-ton machines. The measuring instruments with which the chambers were fitted were delivered by the Schopper firm in Leipzig. A total of fifteen Z'GIT chambers were delivered in 1952, and a total of six of the 30-ton machines were also delivered in that year. The 1953 order calls for five Z'GIT machines plus two 30-ton machines. As of April 1953 two additional orders for these chambers were expected. All the above chambers were for delivery to the USSR and China, with the exception of one Z'GIT

13h collepsible colls (merlegbare Zellen) with a dapacity of he3 cubic meters were delivered to the USSR in 1950, in collaboration with the firm of VEB Haubold.

h. Fifty collapsible cooling cells with a caracity of nine cubic meters were delivered to the USSA at the end of 1950, in collaboration with the Nema firm.

- 3. The following Soviet acceptance personnel were concerned with our chases from the firm:
 - Major Friedmann (fnu), a representative of the Soviet Ministry of Meat and Dairy Industry, dealt with the firm from October 1945 to late 1943, visiting the firm about every two weeks during that period. Friedmann was responsible for accepting all research orders placed with the firm, as carried out there by Dr. Altenkirch, an expert in the adsorption field. Friedmann was in expert in refrigeration engineering. Friedmann was joined for two days in April 1946 at the Kaelte-Technik plant by the reportedly well—known Soviet refrigerating engineer Professor Shevaldishev (fnu) for discussions of the cooling cells being ordered by the USR. Friedmann spent most of his time as acceptance engineer on the premises of the Hallesche Maschinenfabrik, which was at that
 - b. Onter Springer (Ober-Ingenieur) boyorkov (fnu), a representative of the Soviet Ministry of Meat and Dairy Industry, was commandant of the Kaelte-Tochnik firm from March to August 1946. He had an excellent grounding in refrigeration engineering. We was transferred in Sept 1946 to the Berlin office of his Ministry, where is remained until mid-1947.
 - c. Isayev, (fmu), an engineer, was on the state of the S A in Dresder and was responsible for supervision of the activities of several Soviet acceptance engineers in the refrigaration field from early 1947 to late 1951. He reprod as conneceptative of the Confed.

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Ministry of Meat and Dairy Industry after the Berlin office of the latter was dissolved.
d. Gusev (fmu), chief engineer, was a representative of the Soviet Enistry of Meat and Dairy Industry from early 1947 to the end of 1948, serving as accretance engineer with Kaelte-Technik and Nema/Netzschkau.
e. Fomogolov (fun), chief engineer, has been the Soviet acceptance engineer responsible for accepting goods from the Kaelte-Technik firm since 1949. He is a representative of Tekhnonromismort and responsible to that office in Berlin.
Pomogalov is responsible for acceptance of Soviet orders from thirteen plants located in Saxony and Thuringia. Those plants include: Keolka-Tackaik, Turkkas
Zwickauch Torchinenfehrik Noma, Notaschlien Enzeb, Twicken Thop? und Budestomerndersk, Zwicken Henbold, Chenelta USK, Schanler stein

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25X1		Kaelte-Tech	mik to use	the Yorlton	Hebior manufac	ind arranged fi sturing process	ેજ 5 0 5 •
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8.,	The Too (fmu).	al vaduetry Buchwitz we	us responsit	làO £o≌ bhar!	cing on the ne	as Major Buchw	ritz
	and the	w were soccor	under broch cost by an n 917, by Lt.	www.co.to.fir www.dentified .Coll Tumael	me in the air	short period,	di di

- 9. Deliveries to Soviet FPN units. The Kaelte-Technik firm made no signation receiveries to FPN outfits. Such deliveries as were made amounted to ordinary refrigerator repairs for Soviet army units in the Zwickau area.
- 10. The Collaboration of the Kaelte-Technik fire for shipment to the USSR:

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	and the second of the second o	
	a. One heat-chamber (Thermo-Kanmer) M 31, type WTS 500, at a price of 53,65h.30 rubles, to be delivered 31 March 1953. The order was placed by Teknnopromimpore, moscow, unrough pin-chemisque Ausrusstungen on 29 July 1952.	
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